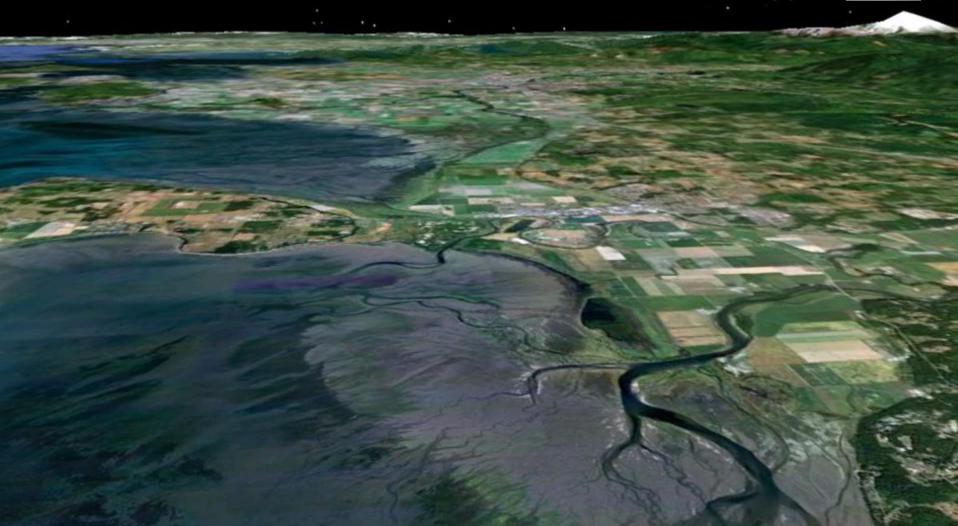
Coastal RESILIENCE

Helping Communities Plan for Change







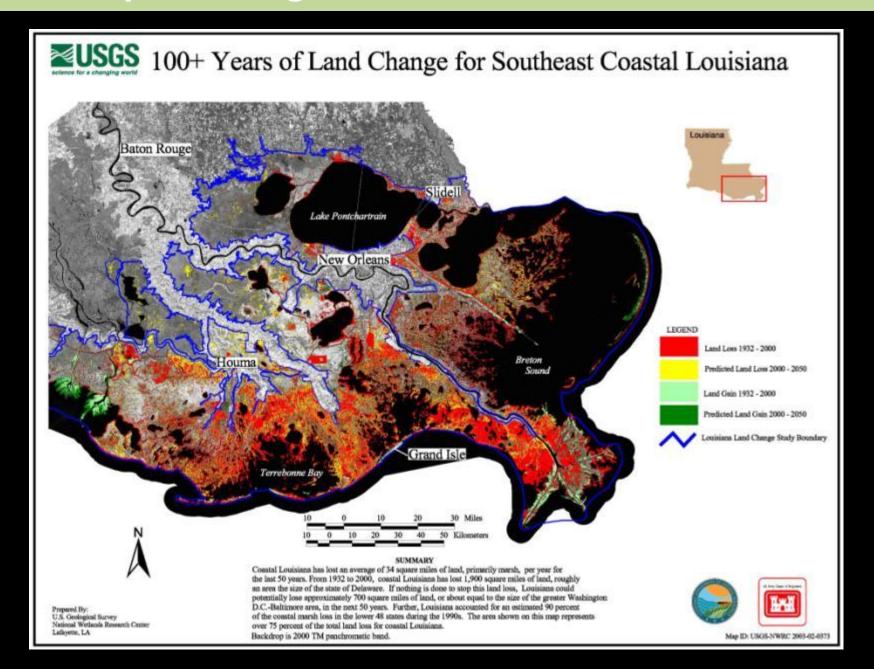
Coastal Resilience for Habitats and Humans



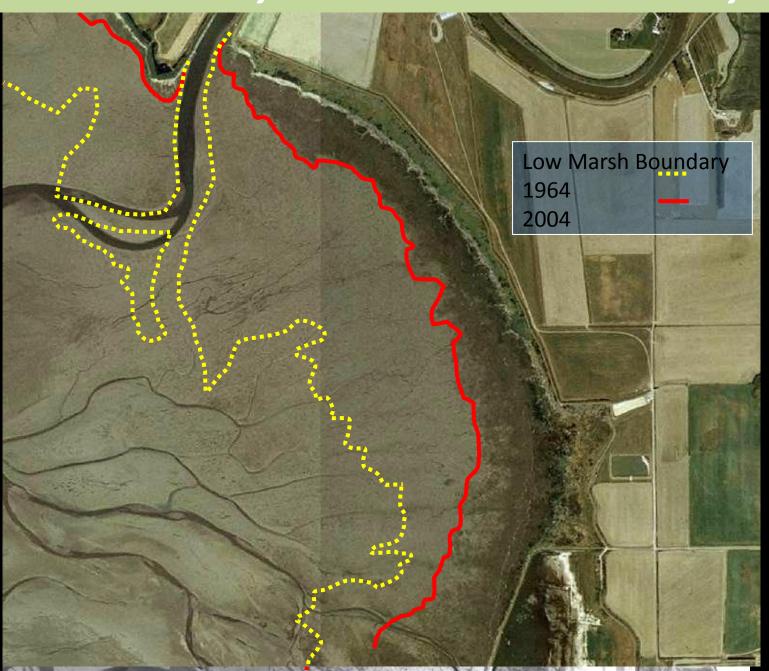
Redefining Infrastructure



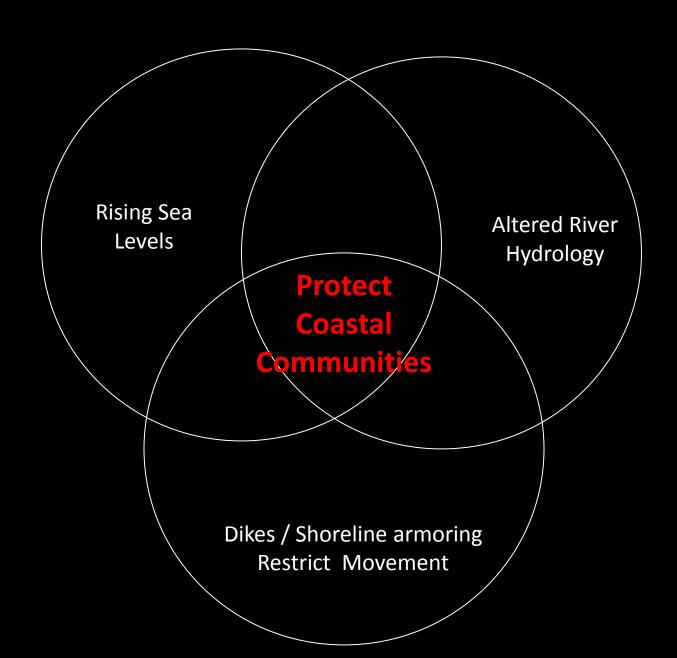
Habitats protecting human communities



A vulnerable estuary? A vulnerable community?



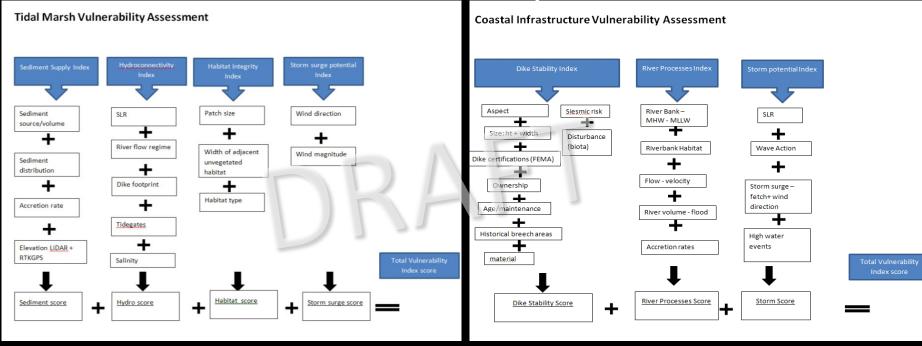
Estuaries and Communities: Risk and Resiliency



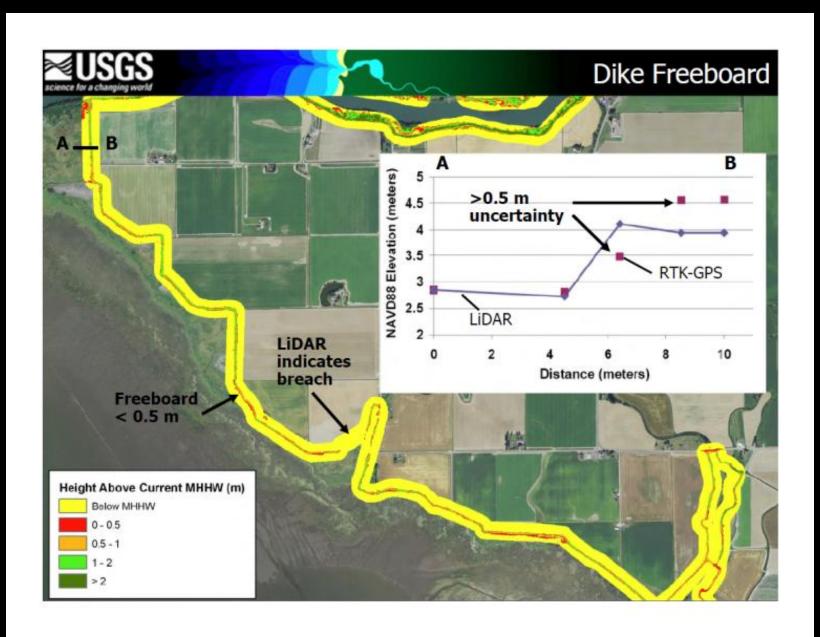
Science informed decisions

Decision Support Tools

Vulnerability Indices



Infrastructure Vulnerability - Dike Freeboard



Integrating Sea Level Rise and Storm Surge



12" of SLR turns a 100-year coastal flood into a 10-year event 24" of SLR turns a 100-year coastal flood into an *annual* event

Incorporates Physical Processes Across Environmental Gradients

Tidal Variability

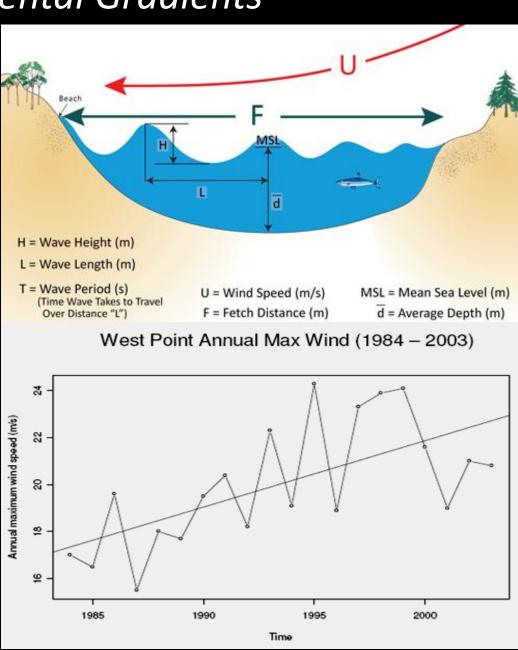
Storm Surge

Vertical Land Movements

Sedimentation

River Flood - Backwater

Nearshore Waves



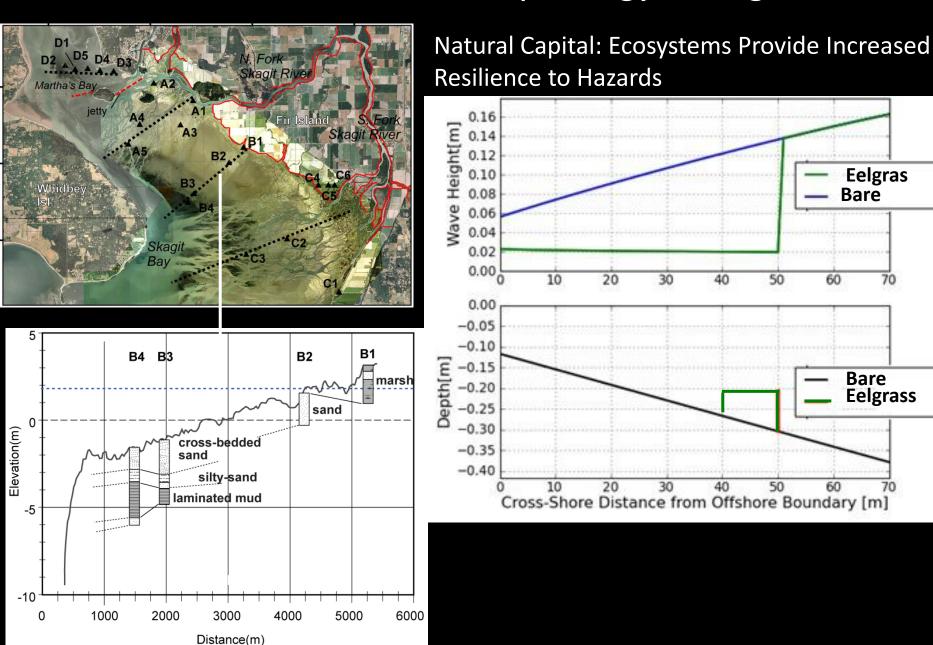
Wave Attenuation: Shore morphology & vegetation

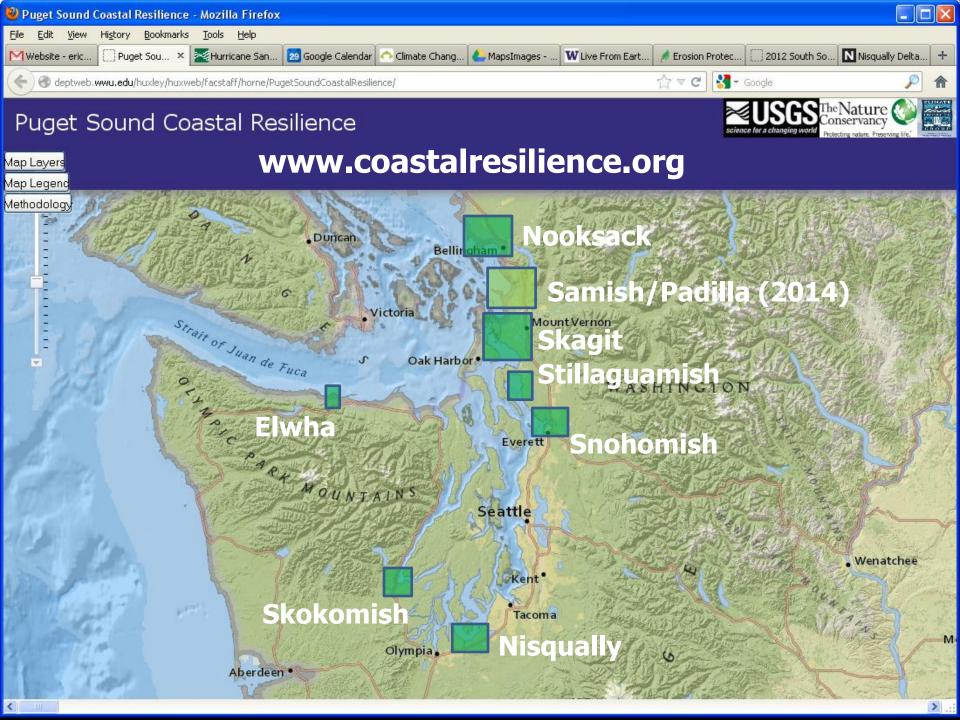
Eelgras

Bare

Bare

Eelgrass

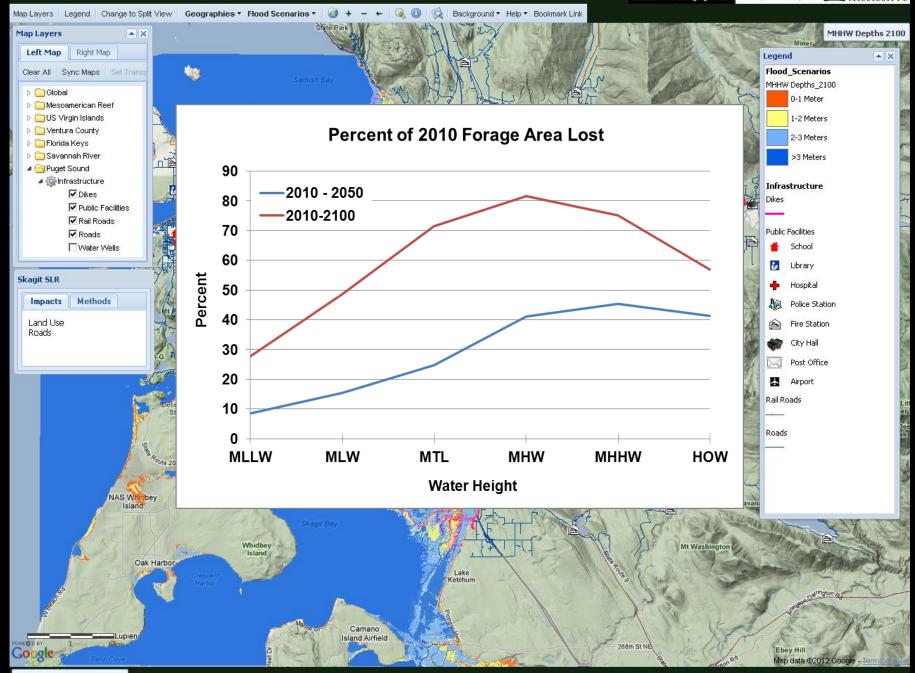




Coastal Resilience Network







Coastal RESILIENCE

Helping Communities Plan for Change









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